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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,620	07/25/2003	Paul J. Rudeck	M4065.0567/P567-A	9373
45374 DICKSTEIN S	7590 07/26/2007 HAPIRO LLP		EXAMINER	
1825 EYE STREET, NW		•	SCHILLINGER, LAURA M	
WASHINGTO	N, DC 20006		ART UNIT PAPER NUMBER	
,			2813	
			•	
			MAIL DATE	DELIVERY MODE
			07/26/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Anniination No	7/7			
47		Application No.	Applicant(s)			
•		10/626,620	RUDECK, PAUL J.			
	Office Action Summary	Examiner	Art Unit			
		Laura M. Schillinger	2813			
Period fo	The MAILING DATE of this communication app or Rep!y	ears on the cover sheet with the	correspondence address			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANS noisons of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period we are to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATIO 36(a). In no event, however, may a reply be ti will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1)⊠	Responsive to communication(s) filed on <u>04 Ap</u>	oril 2007.				
2a)⊠	This action is FINAL . 2b) This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposit	ion of Claims	•				
4)⊠	Claim(s) 9-13 and 66 is/are pending in the app	lication.				
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)	5) Claim(s) is/are allowed.					
6)	Claim(s) <u>9-13, 66</u> is/are rejected.					
7)	Claim(s) is/are objected to.					
8)	Claim(s) are subject to restriction and/o	r election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Examine	r.				
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
	Applicant may not request that any objection to the	drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).			
	Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is of	ojected to. See 37 CFR 1.121(d).			
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached Office	e Action or form PTO-152.			
Priority (under 35 U.S.C. § 119					
12)	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a	a)-(d) or (f).			
a) All b) Some * c) None of:						
 Certified copies of the priority documents have been received. Certified copies of the priority documents have been received in Application No 						
	3. Copies of the certified copies of the prior	··				
	application from the International Bureau	•	ed in this National Stage			
* (See the attached detailed Office action for a list	, , , , , , , , , , , , , , , , , , , ,	ed.			
Attachmen	ot(s)					
	ce of References Cited (PTO-892)	4) Interview Summar Paper No(s)/Mail D				
3) Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) er No(s)/Mail Date	5) Notice of Informal 6) Other:	•			

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 9-13 and 66 are rejected under 35 U.S.C. 102(a) as being anticipated by Admitted Prior Art (hereinafter referred to as "APA"- the citations below pertain to Applicant's specification).

APA teaches the following claimed limitations as follows:

9. A memory device comprising:

a substrate (APA - Fig.2A);

a gate stack pair comprising two gate stacks formed on the substrate (APA- Fig.2A and page 3 [0007];

a conductive contact between the two gate stacks and in contact with a doped region of the substrate (page 1 [0003]);

a vertical oxide spacer adjacent to each gate stack of the gate stack pair (Fig.3 (11));

a respective nitride layer overlaying and in contact with each of said vertical oxide spacer and each said gate stack neither of the nitride layers extending to overlay the doped region (APA-Fig. 2C (12) and page 3 [0007]);

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a respective dielectric layer (21) overlaying each of the nitride layer (13), the dielectric layer being spaced from each of the vertical oxide spacer (11) by the nitride layer (13) (Fig.3).

- 10. The memory device of claim 9, wherein said gate stack comprises a floating gate and a control gate (APA- Fig.1 (4 and 6) and page 2 [0006]).
- 1 1. The memory device of claim 9, wherein said vertical oxide spacer is between about 50 A and about 300A in thickness (APA- page 3 [0007]).
- 12. The memory device of claim 11, wherein said vertical oxide spacer is about 100A and about 200A in thickness (APA- page 3 [0007]).
- 13. The memory device of claim 9, wherein said nitride layer has a thickness equal to about one half the width of said vertical oxide spacer (APA compare Fig.2C (11 and 12).
- 66. (New) The memory device of claim 9, wherein the dielectric layer comprises borophosphosilicate glass (Fig.3 (21)).

Response to Arguments

Applicant's arguments filed 4/4/07 have been fully considered but they are not persuasive. Applicant argues that APA fails to teach a dielectric layer spaced apart from the

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vertical oxide spacer- however the Examiner interprets this to occur because nitride layer 13 acts as a spacer between the vertical oxide layer 11 and the dielectric 21.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura M. Schillinger whose telephone number is (571) 272-1697. The examiner can normally be reached on M-T, R-F 7:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl W. Whitehead, Jr. can be reached on (571) 272-1702. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

7/21/07

Laura M Schillinger Primary Examiner Art Unit 2813